

ABSTRACT

Embodiments of the invention provide a network management tool for troubleshooting, maintaining, and repairing heterogeneous network devices. For example, in one embodiment, a user constructs a command for a selected network device using a graphical user interface. A device detection module then reads configuration information from the selected network device to create a device template. Next, a translation/parsing module translates the command into a format appropriate for the selected network device based on the device template, and sends the translated command to the selected network device. The translation/parsing module also translates data received from execution of the command on the selected network device, based on the device template.